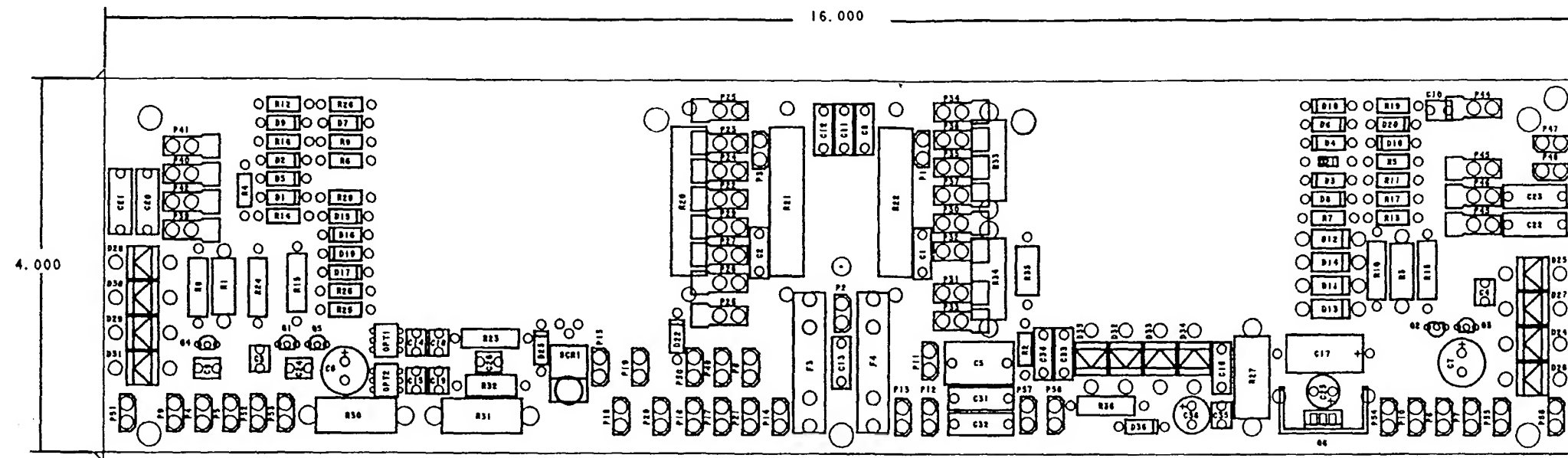


TOLERANCES UNLESS SPECIFIED		MADRIGAL audio laboratories, inc.	
PARTS LIST		8001 south main street madrigal communications 06407 u.s.a.	
MATERIAL		SHEET OF SIZE	
USED IN		A B C D E	
NAME		NO. 940009	
AC-6			
ISSUE	REVISION	DATE	SCALE



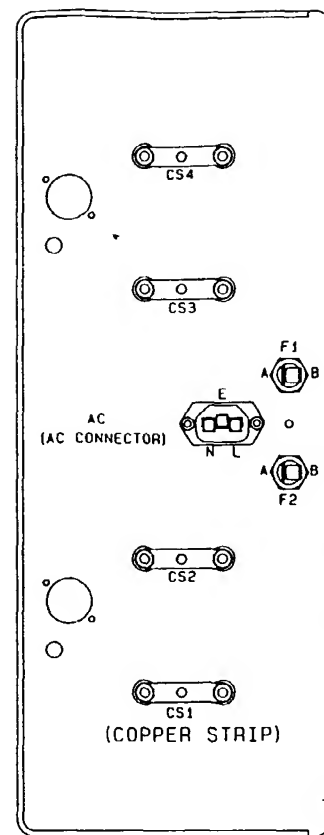
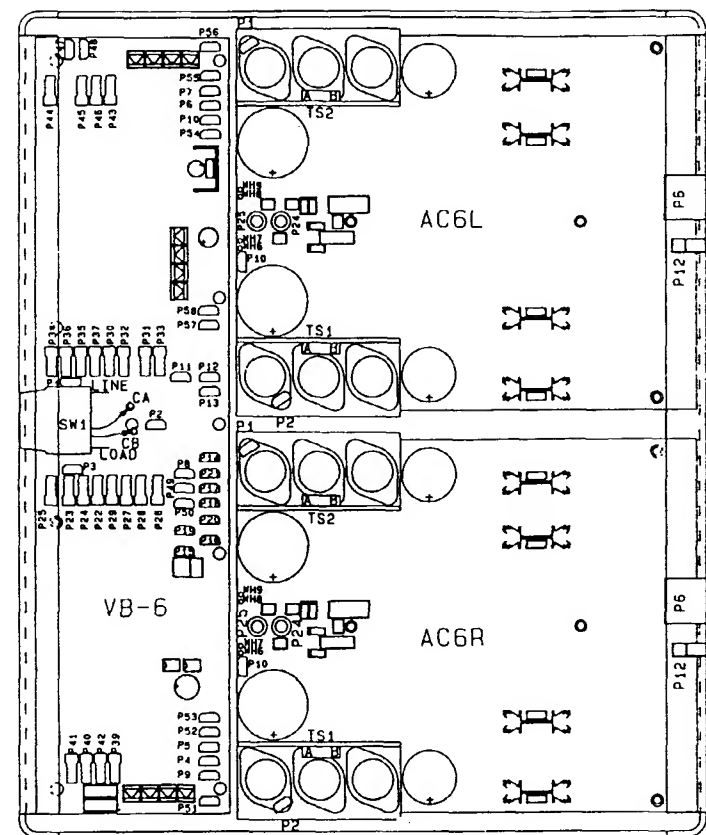
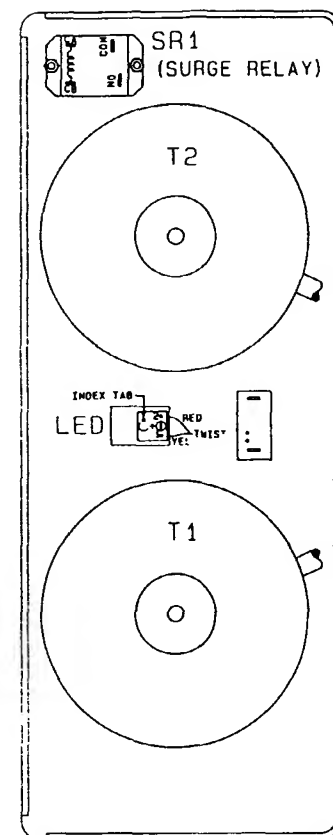
VB\_6

NOTE:

- 1 ALL RESISTORS ARE RN60.25W MIL. 1%, B ARE IN OHMS OR IN CODE UNLESS INDICATED OTHERWISE.
- 2 ALL CAPACITORS ARE IN MICROFARADS OR IN CODE UNLESS INDICATED OTHERWISE.
- 3  $K=10^3$ ,  $M=10^6$ .
- 4  $m=10^{-3}$ ,  $\mu=10^{-6}$ ,  $n=10^{-9}$ ,  $p=10^{-12}$ .
- 5 ALL STANDING COMPONENTS ARE TO BE INSTALLED WITH MOUNTING PADS.

DATE: 8-31-89  
 BY: A.L.M.  
 CHECKED BY: E.M.  
 APPROVED BY: [Signature]

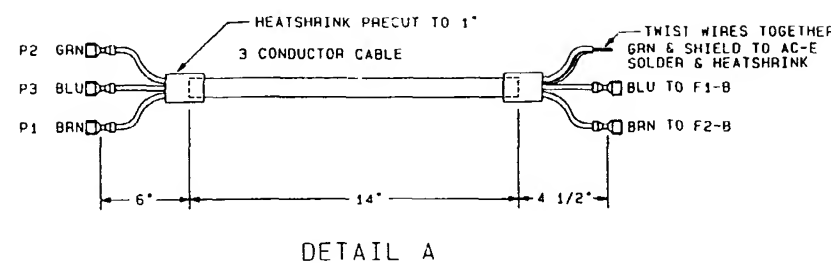
TOLERANCES UNLESS SPECIFIED				MADRIGAL audio laboratories, inc.			
FRACTION $\pm .010$				2081 south main street middletown connecticut 06457 u.s.a.			
DECIMAL $\pm .005$				MATERIAL		SHEET	OF
ANGLE $\pm 1/2^\circ$				USED IN NO. 29		A	B
DR. BY DATE				NAME		C	D
A.L.M. 8-31-89				VB_6		E	R
CH. BY DATE						NO.	
ISSUE	REVISION	DATE	SCALE				



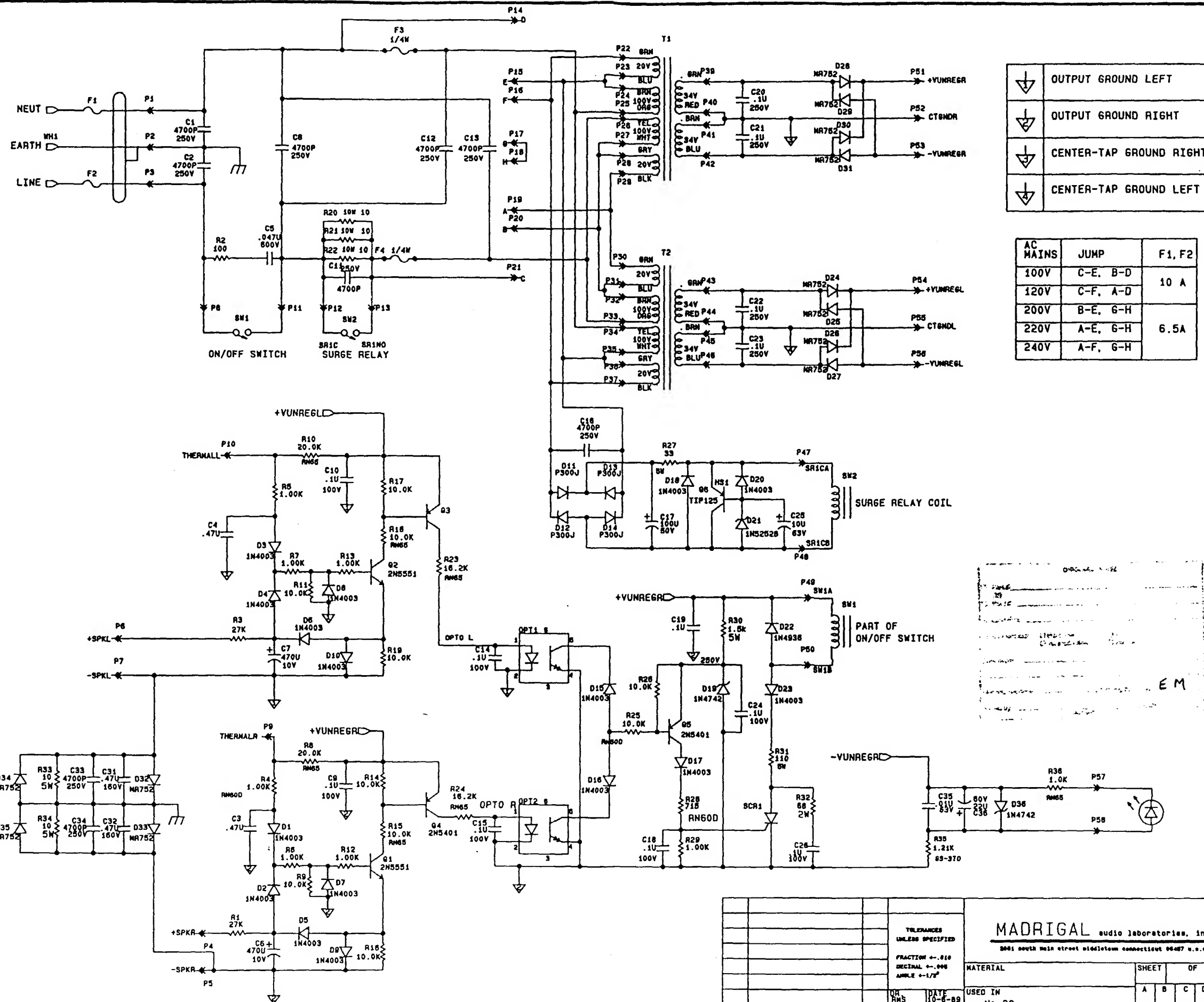
VOLTAGE SELECTION		
AC MAINS	JUMP	F1, F2
100V	C-E, B-D	10A
120V	C-F, A-D	
200V	B-E, G-H	6.5A
220V	A-E, G-H	
240V	A-F, G-H	

STEP	FROM	TO	COLOR	LENGTH	GAUGE	TERM
1	T1	VB6-P22	GRN	7"		F
		VB6-P23	BLU	7"		F
		VB6-P24	BRN	7"		F
		VB6-P25	OR	7"		F
		VB6-P26	YEL	7"		F
		VB6-P27	WHT	7"		F
	SECOND-ARIES	VB6-P28	GRY	7"		F
		VB6-P29	BLK	7"		F
		VB6-P30	GRN	7"		F
		VB6-P40	RED	7"		F
		VB6-P41	BRN	7"		F
		VB6-P42	BLU	7"		F
2	T2	VB6-P30	GRN	7"		F
		VB6-P31	BLU	7"		F
		VB6-P32	BRN	7"		F
		VB6-P33	OR	7"		F
		VB6-P34	YEL	7"		F
		VB6-P35	WHT	7"		F
	SECOND-ARIES	VB6-P36	GRY	7"		F
		VB6-P37	BLK	7"		F
		VB6-P43	GRN	7"		F
		VB6-P44	RED	7"		F
		VB6-P45	BRN	7"		F
		VB6-P46	BLU	7"		F
3	SW1-LINE	VB6-P8	BLK	3"	14	F/F
	SW1-2	VB6-P11	RED	3"	14	F/F
	SW1-CA	VB6-P49	WHT	4"	22	F
	SW1-CB	VB6-P50	WHT	4"	22	F
4	SR1-CA	VB6-P47	BLK	5"	22	F/F
	SR1-CB	VB6-P48	BLK	5"	22	F/F
	SR1-COM	VB6-P12	BLK/WH	11 1/2"	14	RF/F
	SR1-N/O	VB6-P13	BLK	11 1/2"	14	RF/F
5	AC-L	F2-A	BLK	4"	14	HS/F
	AC-N	F1-A	WHT	4"	14	HS/F
	AC CABLE	SEE	DETAIL	A		
6	AC6L					
	TS1-A	AC6L-WH6	GRN	5"	22	SHS/F
	AC6L					
	TS1-B	AC6L-WH7	GRN	5"	22	SHS/F
	AC6R					
	TS2-A	AC6R-WH8	GRN	5"	22	SHS/F
	AC6R					
	TS2-B	AC6R-WH9	GRN	5"	22	SHS/F

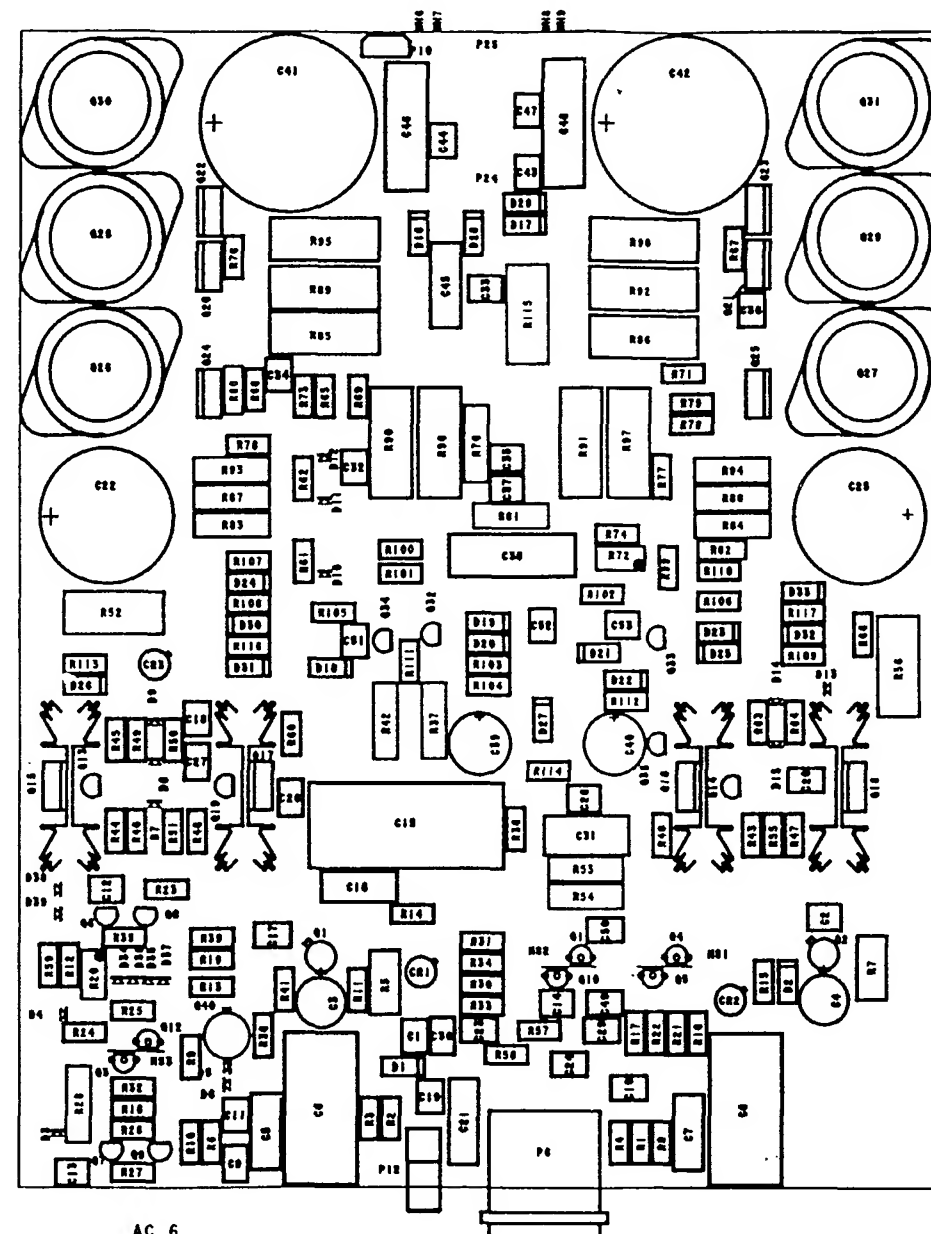
STEP	FROM	TO	COLOR	LENGTH	GAUGE	TERM
7	VB6-P51	AC6R-P2	RED	3"	14	F/F
	VB6-P9	AC6R-P10	BLU	5"	14	F/F
	VB6-P4	AC6R-P24	YEL	6.5"	14	F/R
	VB6-P5	AC6R-P25	GRAY	5"	14	F/RT
	VB6-P52	AC6R-P25	GRN	5"	14	F/RT
	VB6-P53	AC6R-P1	BLK	8"	14	F/F
	VB6-P56	AC6L-P1	BLK	3"	14	F/F
	VB6-P55	AC6L-P25	GRN	5"	14	F/RT
	VB6-P7	AC6L-P25	GRAY	5"	14	F/RT
	VB6-P6	AC6L-P24	YEL	6.5"	14	F/RT
	VB6-P10	AC6L-P10	BLU	5"	14	F/F
	VB6-P54	AC6L-P2	RED	8"	14	F/F
8	AC6R-P24	CS1		12"	HF10	RT/RT
	AC6R-P25	CS2		12"	HF10	RT/RT
	AC6L-P24	CS4		12"	HF10	RT/RT
	AC6L-P25	CS3		12"	HF10	RT/RT
9	LED-1	VB6-P57	YEL	7"	22	S/F
	LED-2	VB6-P58	RED	7"	22	S/F



MADRIGAL audio laboratories, inc.									
2081 South Main Street Middletown Connecticut, 06457									
TOLERANCES UNLESS SPECIFIED		FRACTION: .010		DECIMAL: .005		ANGLE: 1/2"		SHEET OF	
A		DIA. UPDATE		2-12		DATE		USED IN	
ISSUE		REVISION		DATE		SCALE		NAME	
								WIRING DIAGRAM	
								NO.	
								90	
								A B C D E A	



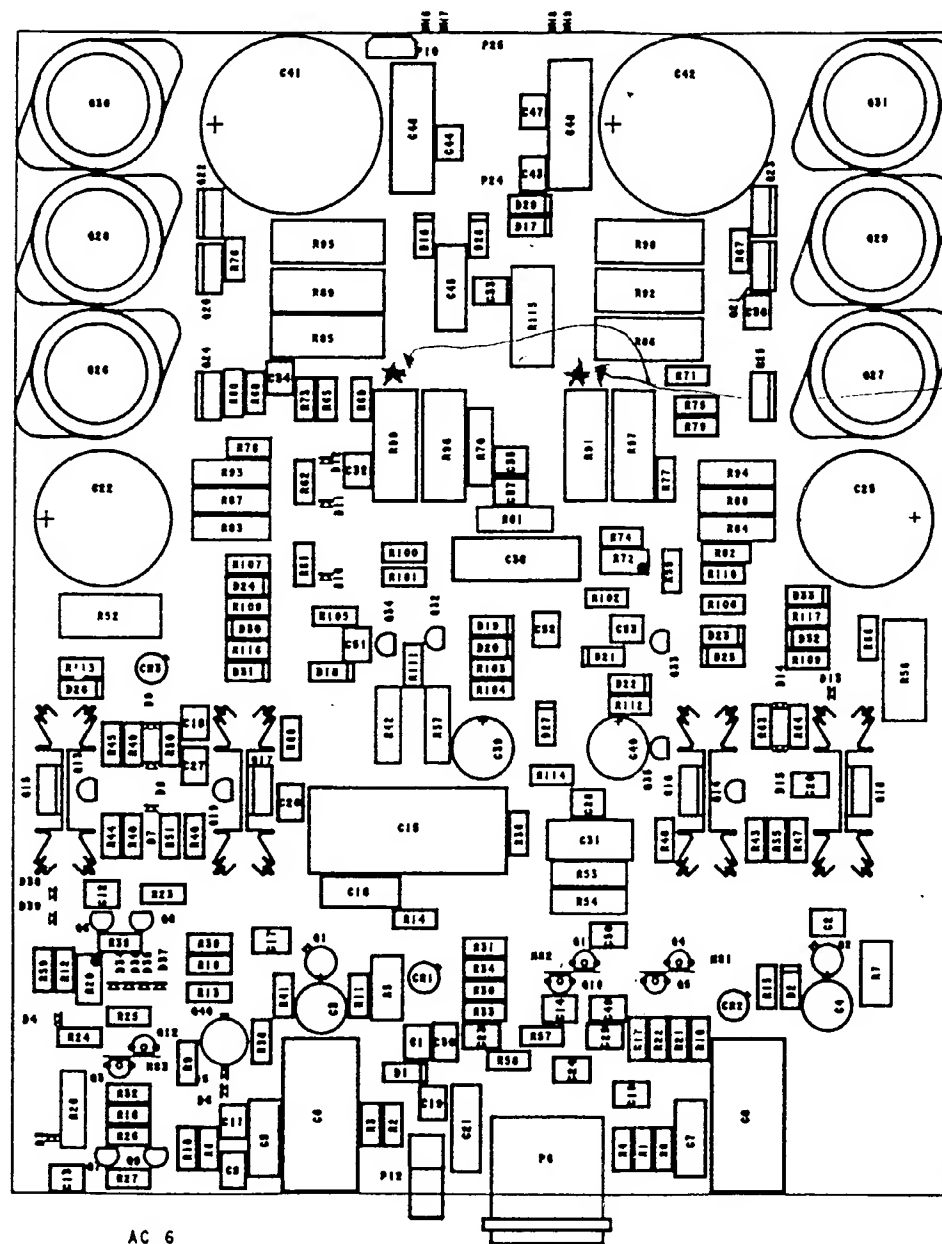
TOLERANCES UNLESS SPECIFIED		MADRIGAL audio laboratories, inc.	
FRACTION ±.010		2001 south main street middletown connecticut 06457 u.s.a.	
DECIMAL ±.005		MATERIAL	SHEET OF SIZE
ANGLE ±1/2°		USED IN	A B C D E
DATE 10-6-89		No. 29	
DATE 0-05-00		NAME	940010
ISSUE	REVISION	DATE	SCALE:



AC\_6

				TOLERANCES UNLESS SPECIFIED				MADRIGAL audio_laboratories, inc.			
				FRACTION $\pm .010$				2001 south main street middletown connecticut 06457 u.s.a.			
				DECIMAL $\pm .005$				MATERIAL			
				ANGLE $\pm 1/2^\circ$				SHEET OF SIZE			
				DR. BY DATE				A. B. C. D. E. R			
				CH. BY DATE				USED IN			
				E. M. DATE				No-29			
				SCALE				NAME			
ISSUE				REVISION				AC-6			
								NO. 940001			

940001 Ref PCB-580194



## AC6 CHECKS/ADJUSTMENTS

1) AFTER BURN/WARMUP

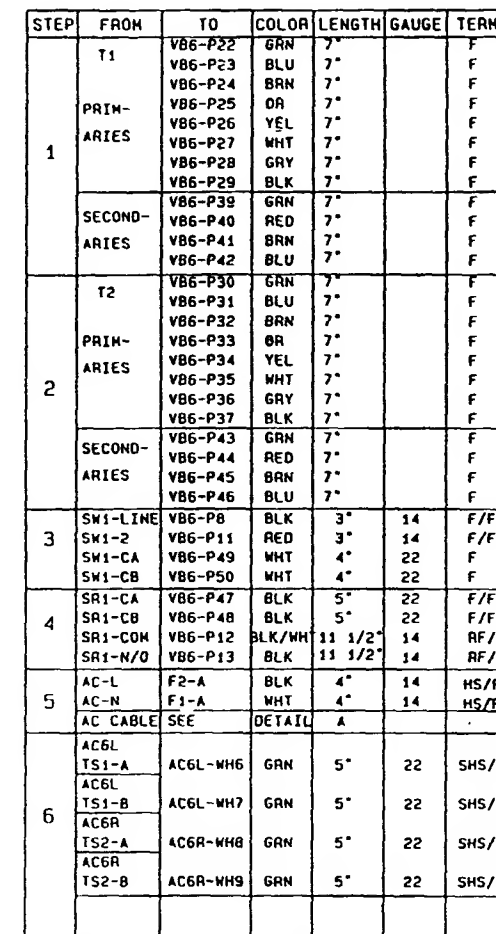
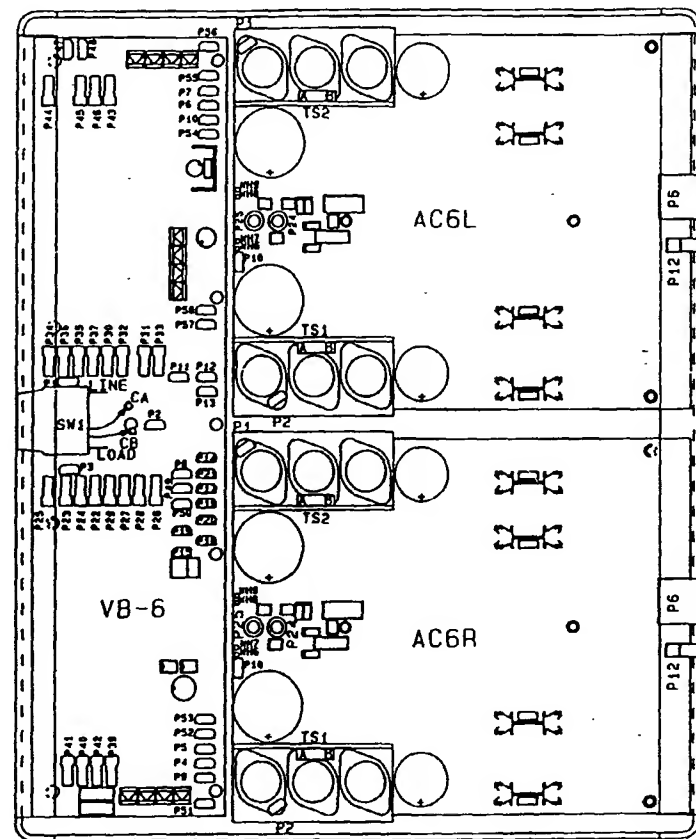
SET BIAS TO  $\pm 26.4$  mV ACROSS  
EMITTER RESISTOR POINTS R90 AND  
R91 AS SHOWN

2) CHECK D.C. OFFSET FOR LESS  
THAN  $\pm 80$  mV AT OUTPUT

BINDING POSTS

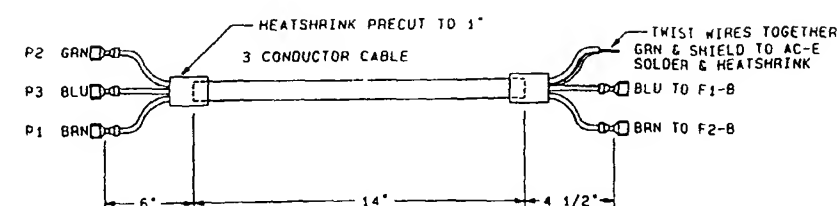
940001 Ref PCB-580194

			TOLERANCES UNLESS SPECIFIED		MADRIGAL audio laboratories, inc.	
			FRACTION $\pm .010$		2001 south main street middletown connecticut 06457 u.s.a.	
			DECIMAL $\pm .005$		MATERIAL	
			ANGLE $\pm 1/2^\circ$		SHEET OF SIZE	
			DR. BY DATE		USED IN	
			A. M. 10-5-89		No-29	
			CH. BY DATE		NAME	
			C. M. 10-03-89		AC-6	
ISSUE	REVISION	DATE	SCALE	NO. 940001		



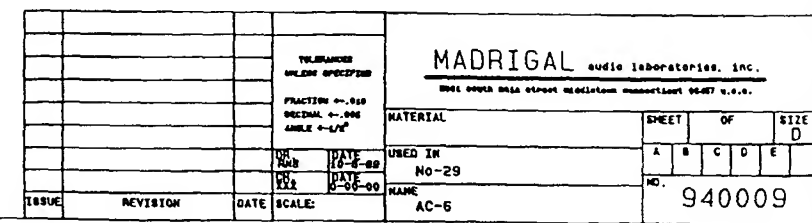
VOLTAGE SELECTION		
AC MAINS	JUMP	F1, F2
100V	C-E, B-D	10A
120V	C-F, A-D	
200V	B-E, G-H	6.5A
220V	A-E, G-H	
240V	A-F, G-H	

STEP	FROM	TO	COLOR	LENGTH	GAUGE	TERM
7	V86-P51	AC6R-P2	RED	3"	14	F/F
	V86-P9	AC6R-P10	BLU	5"	14	F/F
	V86-P4	AC6R-P24	YEL	6.5"	14	F/RT
	V86-P5	AC6R-P25	GRY	5"	14	F/RT
	V86-P52	AC6R-P25	GRN	5"	14	F/RT
	V86-P53	AC6R-P1	BLK	8"	14	F/F
	V86-P56	AC6L-P1	BLK	3"	14	F/F
	V86-P55	AC6L-P25	GRN	5"	14	F/RT
	V86-P7	AC6L-P25	GRY	5"	14	F/RT
	V86-P6	AC6L-P24	YEL	6.5"	14	F/RT
8	V86-P10	AC6L-P10	BLU	5"	14	F/F
	V86-P54	AC6L-P2	RED	8"	14	F/F
	AC6R-P24	CS1		12"	HF10	RT/RT
	AC6R-P25	CS2		12"	HF10	RT/RT
9	AC6L-P24	CS4		12"	HF10	RT/RT
	AC6L-P25	CS3		12"	HF10	RT/RT
	LED-1	V86-P57	RED	7"	22	S/F
	LED-2	V86-P58	YEL	7"	22	S/F

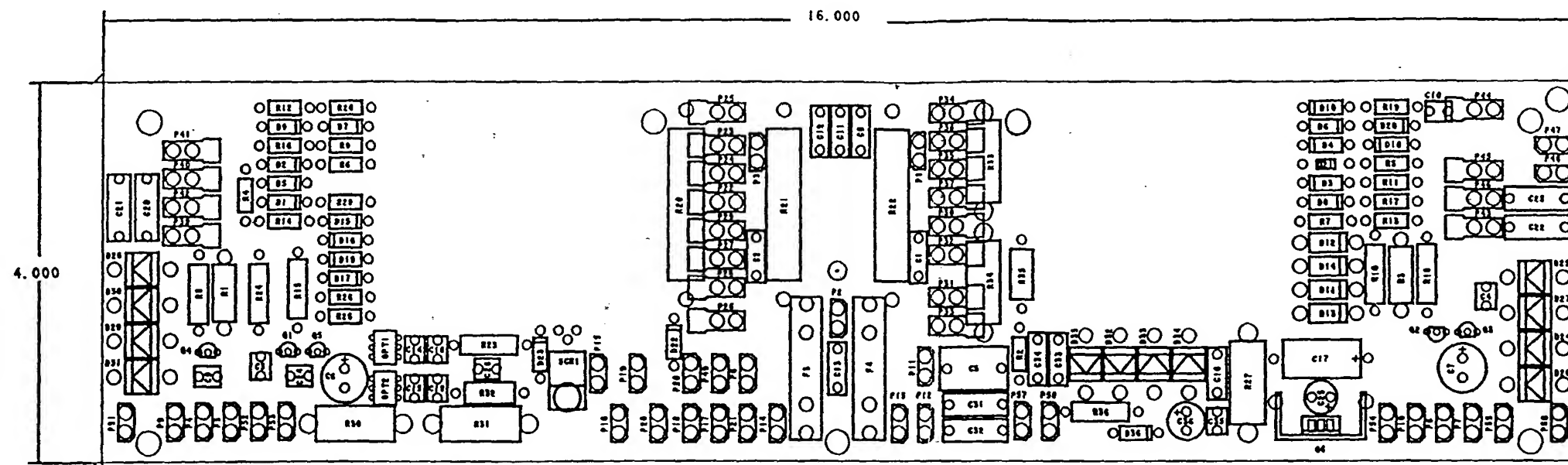


DETAIL A

			TOLERANCES UNLESS SPECIFIED		<div><div>MADRIGAL</div>audio laboratories, inc</div> <div>2081 South Main Street Middletown Connecticut, 06457</div>																
			FRACTION : .010		MATERIAL					SHEET		OF			SIZE D						
			DECIMAL : .005		USED IN NO-29					A		B		C		D		E		F	
			ANGLE : 1/2°																		
A	DIA. UPDATE	2-12	DR A H.	DATE 9-27-88						90											
ISSUE	REVISION	DATE	SCALE	NAME	WIRING DIAGRAM					NO.											







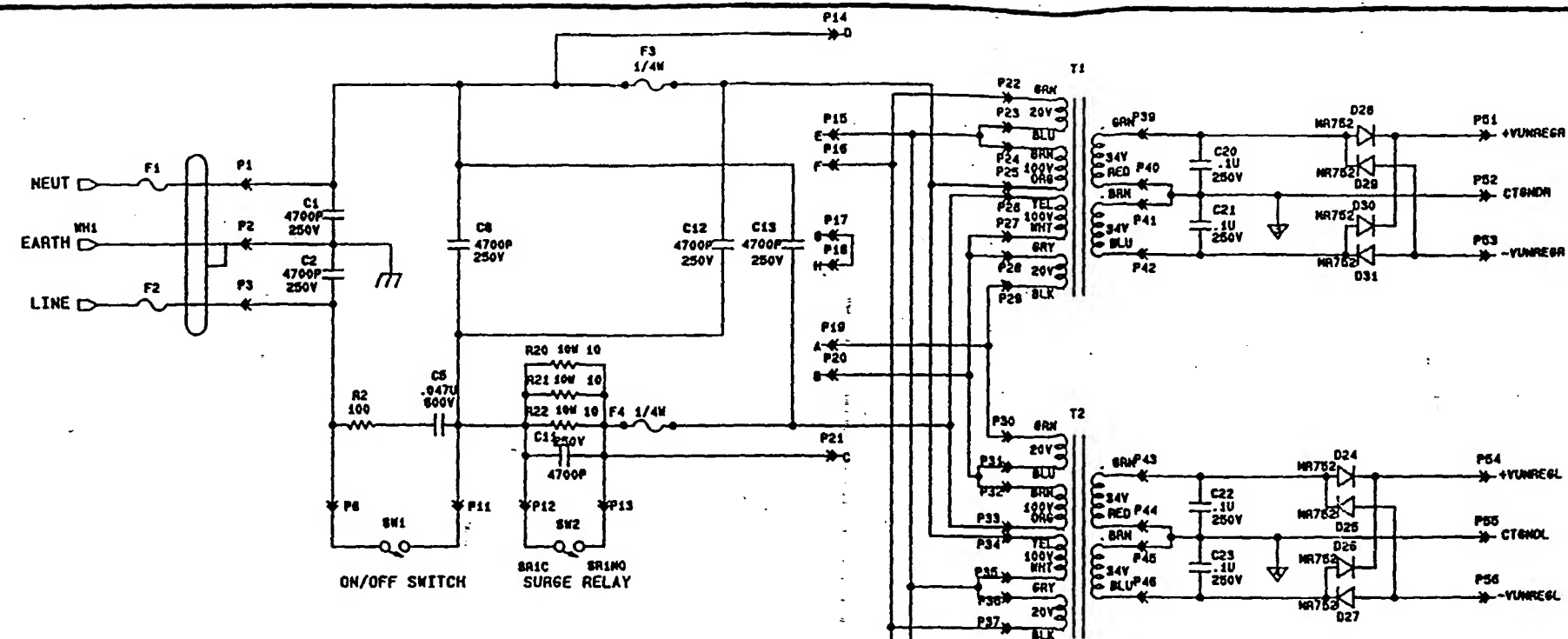
VB\_6

NOTE:

- 1 ALL RESISTORS ARE RN60..25W MIL..1% & ARE IN OHMS OR IN CODE UNLESS INDICATED OTHERWISE.
- 2 ALL CAPACITORS ARE IN MICROFARADS OR IN CODE UNLESS INDICATED OTHERWISE.
- 3  $K=10^3$ ,  $M=10^6$
- 4  $m=10^{-3}$ ,  $\mu=10^{-6}$ ,  $n=10^{-9}$ ,  $p=10^{-12}$
- 5 ALL STANDING COMPONENTS ARE TO BE INSTALLED WITH MOUNTING PADS.

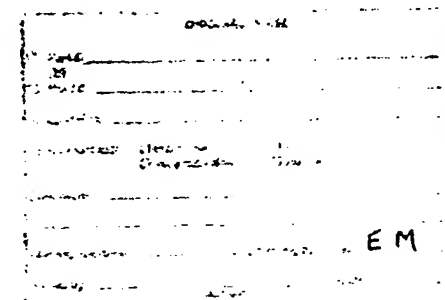
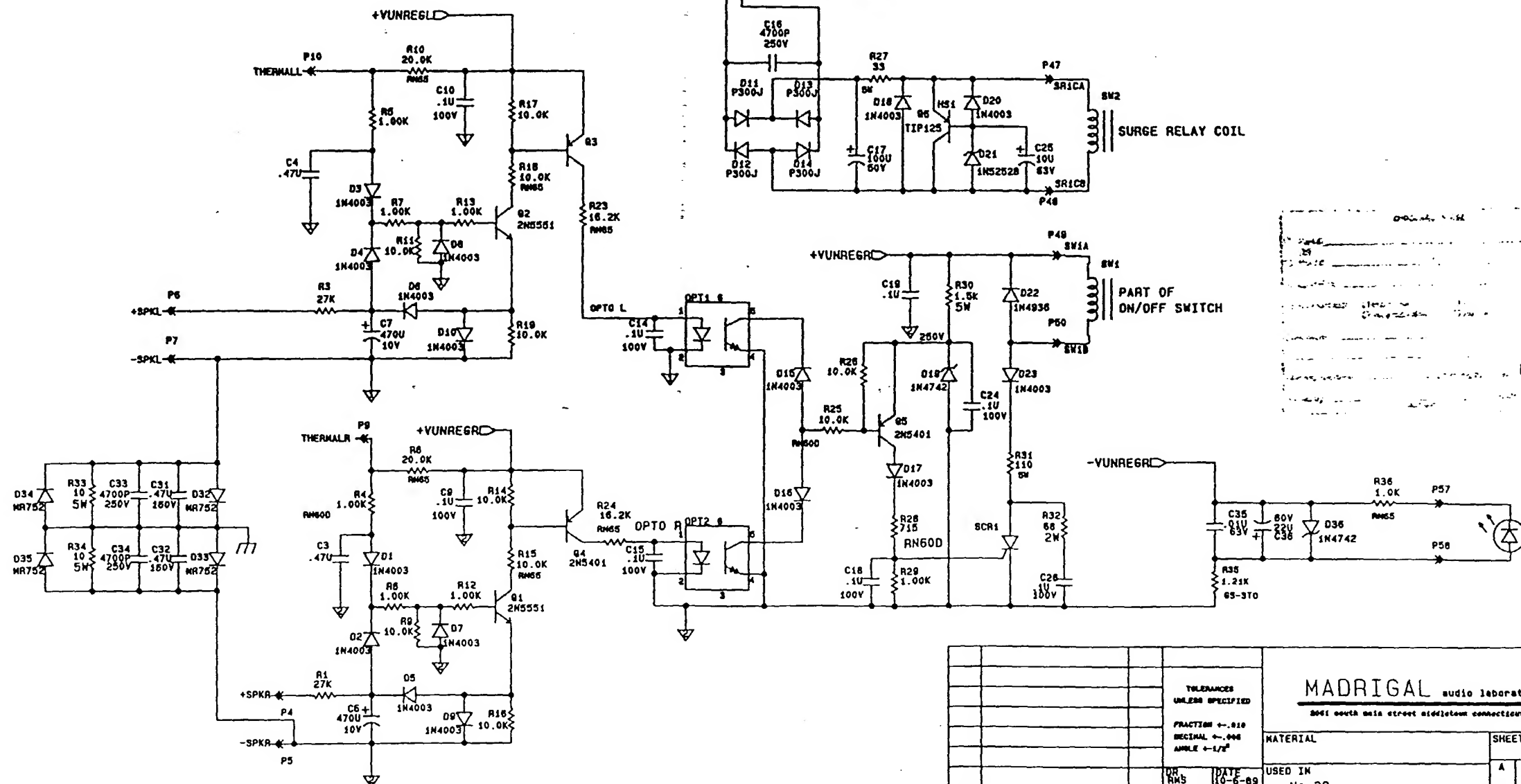
Design	VB_6
Rev	1
Drawn by	4m
Checked by	E. M.
Date	8-31-89

TOLERANCES UNLESS SPECIFIED				MADRIGAL audio_laboratories, inc.			
FRACTION $\pm .010$				2081 south main street middletown connecticut 06457 u.s.a.			
DECIMAL $\pm .005$				MATERIAL		SHEET	OF
ANGLE $\pm 1/2^\circ$				USED IN NO. 29		A	B
DR. BY DATE				NAME		C	D
A.L.M. 8-31-89				VB_6		E	R
CH. BY DATE				NO.			
ISSUE	REVISION	DATE	SCALE				



↓	OUTPUT GROUND LEFT
↓	OUTPUT GROUND RIGHT
↓	CENTER-TAP GROUND RIGHT
↓	CENTER-TAP GROUND LEFT

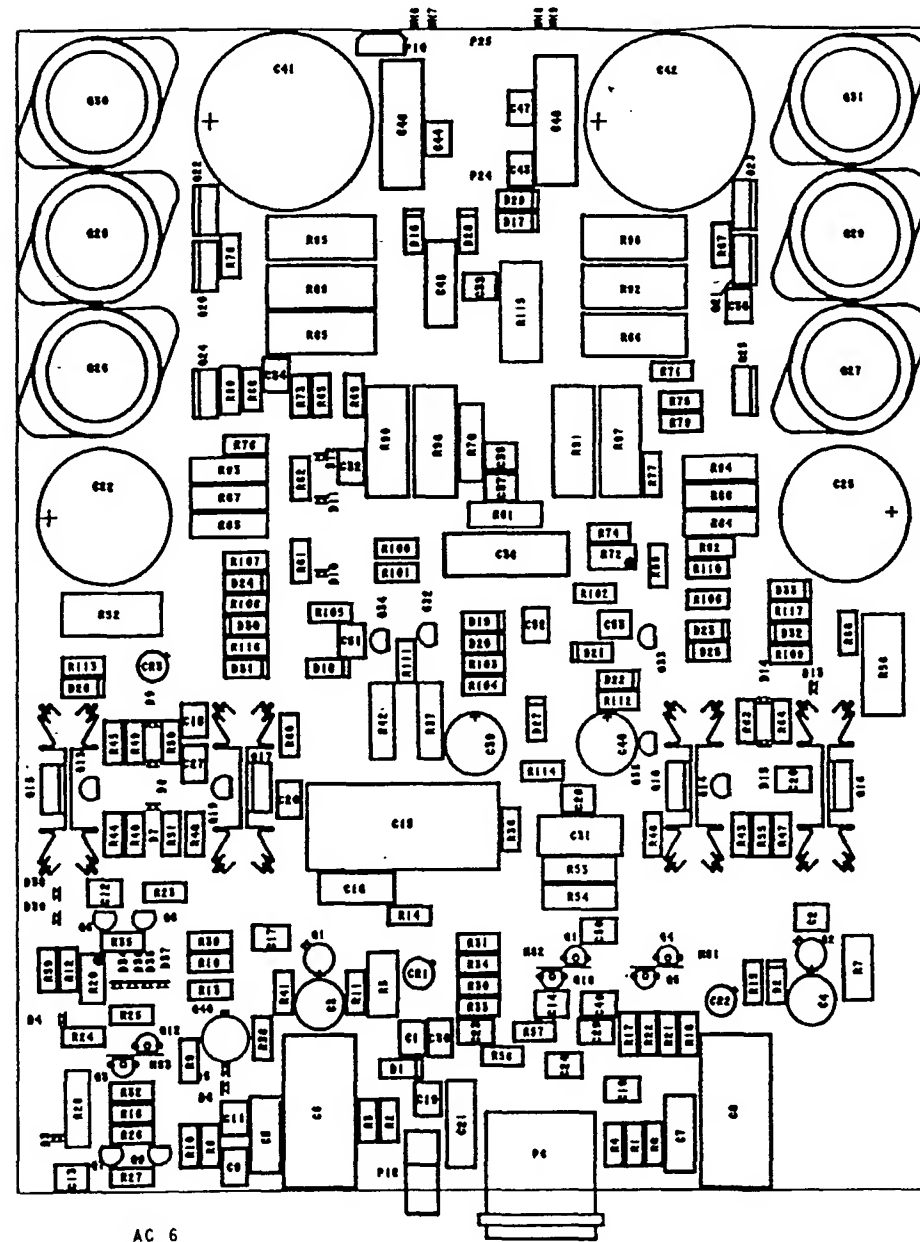
AC MAINS	JUMP	F1, F2
100V	C-E, B-D	10 A
120V	C-F, A-D	
200V	B-E, 6-H	6.5A
220V	A-E, 6-H	
240V	A-F, 6-H	



TOLERANCES UNLESS SPECIFIED		MATERIAL		SHEET		OF		SIZE	
FRACTION ±.010		USED IN		A		B		C	
DECIMAL ±.004		No. 29		C		D		E	
ANGLE ±1/2°		NAME		No.		940010			
ISSUE	REVISION	DATE	SCALE	VB-6					

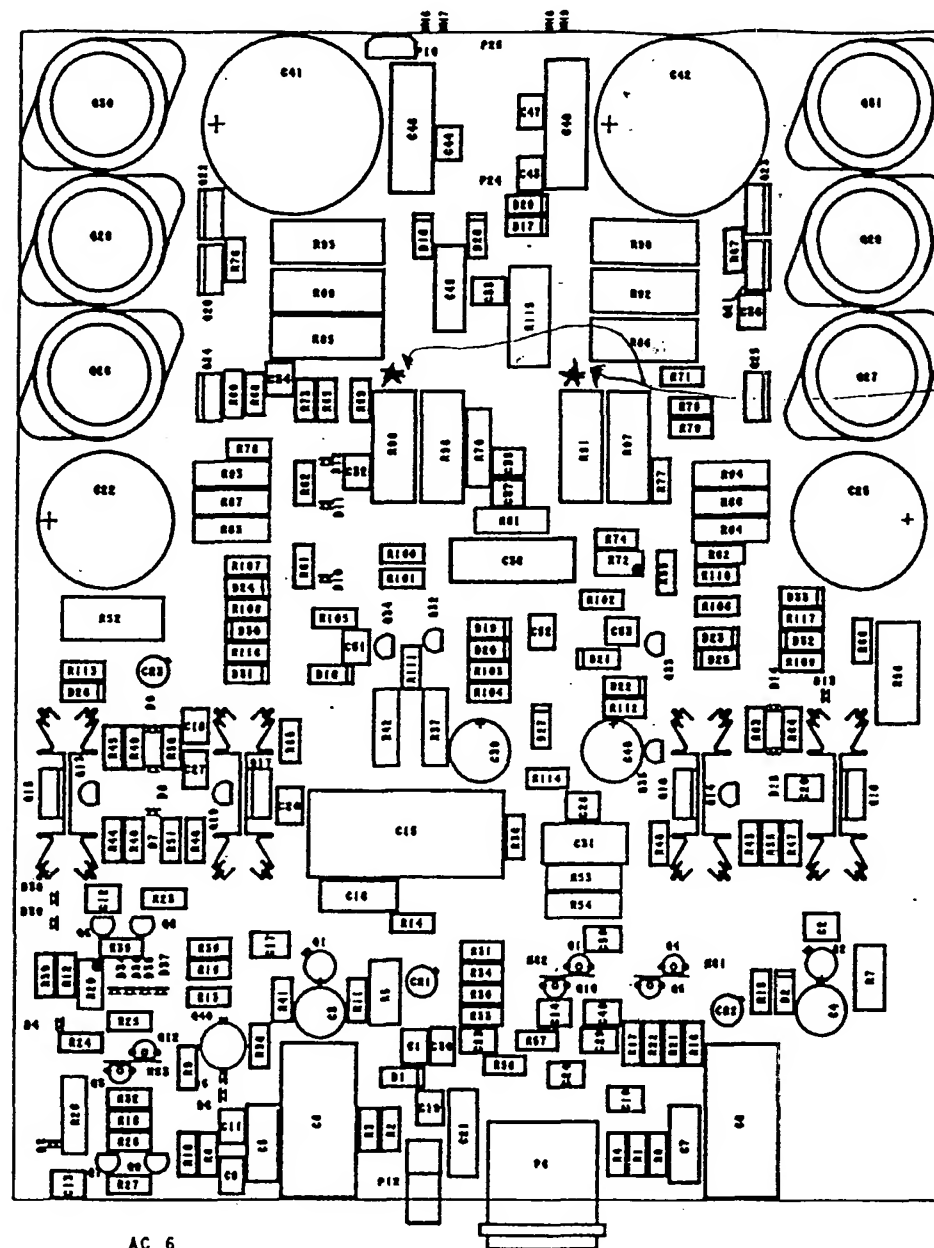
MADRIGAL audio laboratories, inc.

8041 south main street middleton connecticut 06457 u.s.a.



AC\_6

				TOLERANCES UNLESS SPECIFIED				940001 Ref PCB-580194			
				FRACTION $\pm .010$				MADRIGAL audio laboratories, inc.			
				DECIMAL $\pm .005$				2081 south main street middleton wisconsin 53557 u.s.a.			
				ANGLE $\pm 1/2^\circ$				MATERIAL			
				DR. BY DATE				SHEET OF SIZE			
				A.M. 10-5-89				A. B. C. D. E. R.			
				CH. BY DATE				USED IN			
				E.M. 10-03-89				No-29			
ISSUE				REVISION				NAME			
								AC-6			
								NO. 940001			



AC\_6

## AC6 CHECKS/ADJUSTMENTS

- 1) AFTER BURN/WARMUP  
SET BIAS TO  $\pm 26.4$  m. volts ACROSS  
EMITTER RESISTOR POINTS R90 AND  
R91 AS SHOWN
- 2) CHECK D.C. OFFSET FOR LESS  
THAN  $\pm 80$  millivolts AT OUTPUT  
BINDING POSTS

940001 Ref PCB-580194

				TOLERANCES UNLESS SPECIFIED		MADRIGAL audio laboratories, inc.	
				FRACTION $\pm .010$		2081 south main street middletown connecticut 06457 u.s.a.	
				DECIMAL $\pm .005$		MATERIAL	
				ANGLE $\pm 1/2^\circ$		SHEET OF SIZE	
				DR. BY DATE		A. B. C. D. E. R.	
				A.M. 10-3-69		USED IN	
				CH. BY DATE		No-29	
				E.M. 10-03-69		NAME	
ISSUE	REVISION	DATE	SCALE	AC-6		NO. 940001	